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104-1, Moongi-dong, Yuseong-gu, Taejeon 305-380 (KR).  
**SONG, Si Young** [KR/KR]; College of Medicine, Yonsei  
University, 134, Sinchon-dong, Seodaemun-gu, Seoul  
120-749 (KR).

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(74) Agent: **CHOI, Kyu Pal**; Halla Classic Building 4F,  
824-11, Yeoksam-dong, Kangnam-ku, Seoul 135-080  
(KR).

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(71) Applicant (*for all designated States except US*): **LG LIFE  
SCIENCES LTD.** [KR/KR]; LG Twin Tower, East Tower,  
20, Yoido-Dong, Youngdungpo-Ku, Seoul 150-010 (KR).

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(72) Inventors; and

(75) Inventors/Applicants (*for US only*): **KOH, Sang Seok**  
[KR/KR]; R & D Park, LG Life Sciences Ltd., 104-1,  
Moongi-dong, Yuseong-gu, Taejeon 305-380 (KR). **LIU,  
Qing** [US/US]; 708 Quince Orchard Road, Gaithers-  
burg, Maryland, MD 20878 (US). **CHUNG, Hyun-Ho**  
[KR/KR]; R & D Park, LG Life Sciences Ltd., 104-1,  
Moongi-dong, Yuseong-gu, Taejeon 305-380 (KR).  
**ZENG, Wen** [US/US]; 708 Quince Orchard Road,  
Gaithersburg, Maryland, MD 20878 (US). **LEE, Bog-  
man** [KR/KR]; R & D Park, LG Life Sciences Ltd.,

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*For two-letter codes and other abbreviations, refer to the "Guid-  
ance Notes on Codes and Abbreviations" appearing at the begin-  
ning of each regular issue of the PCT Gazette.*

(54) Title: GENE FAMILIES ASSOCIATED WITH STOMACH CANCER

(57) Abstract: The invention relates generally to the changes in gene expression in stomach cancer. The invention relates specifically to human gene families that correspond to mRNA species that are differentially expressed in cancerous stomach tissue compared to normal stomach tissue.



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# INTERNATIONAL SEARCH REPORT

International application No.

PCT/KR03/01653

## Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)

This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☒ Claims Nos.: 34-38  
because they relate to subject matter not required to be searched by this Authority, namely:  
Claims 34 to 38 pertain to methods for treatment of the human or animal body by therapy, as well as diagnostic methods, and relate to a subject matter which this International Searching Authority is not required, under Article 17(2)(a)(i) of the PCT and Rule 39.1(iv) of the Regulations under the PCT, to search.
2. ☐ Claims Nos.:  
because they relate to part of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:
3. ☒ Claims Nos.: 39  
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

## Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)

This International Search Authority found multiple inventions in this international application, as follows:

1. ☐ As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
2. ☐ As all searchable claims could be established without effort justifying an additional fee, this Authority did not invite payment of any addition fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

# INTERNATIONAL SEARCH REPORT

International application No.  
PCT/KR03/01653

## A. CLASSIFICATION OF SUBJECT MATTER

**IPC7 C07H 21/00**

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7 C07H 21/00

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

All non-redundant GenBank+PDB+SwissProt+PIR+PRF, Korean Patents and applications for inventions since 1975

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	CARETHA L. CREASY AND JONATHAN CHERNOFF 'Cloning and Characterization of a Human Protein Kinase with Homology to Ste20' In Journal of Biological Chemistry (15. Sep. 1995) Vol. 270(37):21695-21700	1, 9-11, 16-22, 23-25, 32-33, 40
X	WO 00/61612 (CORIXA CORPORATION) 19. Oct. 2000	1, 6-8, 15-22, 32-33
X	WO 00/00828 (CORIXA CORPORATION) 4. Jan. 2001	1, 5-6, 15-22, 32-33
X	WO 00/12708 (GENENTECH, INC.) 9. Mar. 2000	1-4, 15-25, 32-33, 40
X, P	Mammalian Gene Collection (MGC) Program Team 'Generation and initial analysis of more than 15,000 full-length human and mouse cDNA sequences' In Proceedings of the National Academic of Science, U. S. A. (24. Dec. 2002) Vol. 99(26):16899-16903	1-4, 9-23, 32, 40

☐ Further documents are listed in the continuation of Box C.

☒ See patent family annex.

\* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent but published on or after the international filing date

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"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family


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 Korean Intellectual Property Office  
920 Dunsan-dong, Seo-gu, Daejeon 302-701,  
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Authorized officer

LEE, Yoon Won

Telephone No. 82-42-481-5852



**INTERNATIONAL SEARCH REPORT**

Information on patent family members

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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
WO 00/61612	19.10.2000	US20020147143A1	10.10.2002
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